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| <b>UTILITY<br/>PATENT APPLICATION<br/>TRANSMITTAL</b>  |  | Attorney Docket No.: S-100,556<br>First Inventor or Application Identifier: David Reagor et al.<br>Title: THROUGH-THE-EARTH RADIO<br>Express Mail Label No.: ET461825719US  |  |
| APPLICATION ELEMENTS   |  | ADDRESS TO: Mail Stop Patent Application<br>Commissioner for Patents<br>P.O. Box 1450<br>Alexandria, VA 22313-1450  |  |
| 1. <input checked="" type="checkbox"/> * Fee Transmittal Form (e.g. PTO/SB/17)<br>(submit an original and a duplicate for fee processing)<br><br>2. <input checked="" type="checkbox"/> Applicant claims small entity status.<br>See 37 CFR 1.27.<br><br>3. <input checked="" type="checkbox"/> Specification [ Total Pages: 20 ]<br><input checked="" type="checkbox"/> Descriptive title of the Invention<br><input checked="" type="checkbox"/> Cross References to Related Applications<br><input checked="" type="checkbox"/> Statement Regarding Fed sponsored R&D<br><input type="checkbox"/> Reference to sequence listing, a table<br>or a computer program listing appendix<br><input checked="" type="checkbox"/> Background of the Invention<br><input checked="" type="checkbox"/> Brief Description of the Drawings (if filed)<br><input checked="" type="checkbox"/> Detailed Description<br><input checked="" type="checkbox"/> Claim(s)<br><input checked="" type="checkbox"/> Abstract of the Disclosure<br><br>4. <input checked="" type="checkbox"/> Drawings(s) (35 U.S.C. 113) [ Total Sheets: 8 ]<br><input type="checkbox"/> Formal <input checked="" type="checkbox"/> Informal<br><br>5. <input checked="" type="checkbox"/> Declaration & Power of Attorney [ Total Pages: 2 ]<br>a. <input checked="" type="checkbox"/> Newly executed (original or copy)<br>b. <input type="checkbox"/> Copy from a prior application (37 C.F.R. § 63(d)<br>(for continuation/divisional with Box 16 completed)<br>c. <input type="checkbox"/> <u>DELETION OF INVENTOR(S)</u><br>Signed statement attached deleting<br>inventor(s) named in the prior application,<br>see 37 C.F.R. §§ 1.63(d)(2) and 1.33 (b). |  | 6. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or<br>Computer Program (Appendix)<br><br>7. Nucleotide and/or Amino Acid Sequence Submission<br>(if applicable, all necessary)<br>a. <input type="checkbox"/> Computer Readable Copy<br>b. Specification Sequence Listing on:<br>i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or<br>ii. <input type="checkbox"/> paper<br>c. <input type="checkbox"/> Statement verifying identity of above copies |  |
| <b>ACCOMPANYING APPLICATION PARTS</b>  |  |   |  |
| 8. <input checked="" type="checkbox"/> Assignment Papers (cover sheet & documentation)<br>9. <input type="checkbox"/> 37 C.F.R. § 3.73(b) Statement (when there is an assignee) <input type="checkbox"/> Power of Attorney<br>10. <input checked="" type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input checked="" type="checkbox"/> Copies of IDS Citations<br>11. <input type="checkbox"/> Preliminary Amendment<br>12. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503)<br>(should be specifically itemized)<br>13. <input type="checkbox"/> Certified Copy of Priority Document(s)<br>(if foreign priority is claimed)<br>14. <input type="checkbox"/> Nonpublication Request and Certification Under 35 U.S.C. 122(b)(2)(b)(i)<br>15. <input type="checkbox"/> Other:  |  |   |  |
| 16. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment:<br><input type="checkbox"/> Continuation <input type="checkbox"/> Divisional <input type="checkbox"/> Continuation-in-part (CIP) of prior application S.N. ____/_____.<br><br>Prior application information:      Examiner:      Group/Art Unit:  |  |   |  |
| For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 4b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.   |  |   |  |
| <b>16. CORRESPONDENCE ADDRESS</b>  |  |   |  |
| <input checked="" type="checkbox"/> Customer Number      OR <input type="checkbox"/> Correspondence Address Below<br><br><div style="text-align: center; font-size: 1.2em;">35068</div>  |  |   |  |
| Name: Milton D. Wyrick<br>Address: Los Alamos National Laboratory<br>LC/IP, MS A187<br>City: Los Alamos      State: N w Mexico      Zip Code: 87545<br>Country: United States      Telephone: (505) 665-3659      Fax: (505) 665-4424  |  |   |  |
| Name (Print/Type): Milton D. Wyrick  |  | Registration No. (Attorney/Agent): 29,993   |  |
| Signature:    |  | Date: November 20, 2003   |  |

 22386 U.S. PTO  
 10/7/19426


# FEE TRANSMITTAL

## For FY 2004

Patent fees are subject to annual revision  
(submit an original and a duplicate for fee processing)

Complete if Known

|                       |                     |
|-----------------------|---------------------|
| Application Number:   |                     |
| Filing Date:          | November 20, 2003   |
| First Named Inventor: | David Reagor et al. |
| Examiner Name:        |                     |
| Group/Art Unit:       |                     |
| Attorney Docket No.:  | S-100,556           |

### METHOD OF PAYMENT

1. ☒ The commissioner is hereby authorized to charge indicated fees and credit any over payments to:  
 Deposit Account Number: **12-2150**  
 Deposit Account Name: Los Alamos National Laboratory  
☒ Charge Any Additional Fee Required Under 37 C.F.R. 1.16 and 1.17  
☒ Applicant claims small entity status.  
 See 37 CFR 1.27

### FEE CALCULATION

#### 1. BASIC FILING FEE

| Large Entity | Small Entity | Fee Description        | Fee Paid |
|--------------|--------------|------------------------|----------|
| Fe           | Fee          |                        |          |
| \$770        | \$385        | Utility filing fee     |          |
| \$770        | \$385        | Reissue filing fee     |          |
| \$160        | \$80         | Provisional filing fee |          |

**SUBTOTAL (1) \$385.00**

#### 2. EXTRA CLAIM FEES

|                    | Extra Claims | Fee from Fee Paid Below |         |
|--------------------|--------------|-------------------------|---------|
| Total              |              |                         |         |
| Claims             | 23           | -20** = X               | = 27.00 |
| Independent Claims | 3            | -3** = X                | = -0-   |
| Multiple Dependent |              |                         | = 27.00 |

\*\* or number previously paid, if greater; For Reissues, see below

| Large Entity | Small Entity | Fee Description  |
|--------------|--------------|--|
| Fee          | Fee          |  |
| \$18         | \$9          | Claims in excess of 20                                     |
| \$86         | \$43         | Independent claims in excess of 3                          |
| \$290        | \$145        | Multiple dependent claim, if not paid.                     |
| \$86         | \$43         | ** Reissue independent claims over original patent         |
| \$18         | \$9          | ** Reissue claims in excess of 20 and over original patent |

**SUBTOTAL (2) \$27.00**

### FEE CALCULATION (continued)

#### 3. ADDITIONAL FEES

| Large Entity | Small Entity | Fee Description  | Fee Paid |
|--------------|--------------|--|----------|
|              |              |  |          |
| \$130        | \$65         | Surcharge – late filing fee or oath                            |          |
| \$50         | \$25         | Surcharge – late provisional filing fee or cover sheet         |          |
| \$2,520      | \$2,520      | For filing a request for reexamination                         |          |
| \$110        | \$55         | Extension for reply within first month                         |          |
| \$420        | \$210        | Extension for reply within second month                        |          |
| \$950        | \$475        | Extension for reply within third month                         |          |
| \$1,480      | \$740        | Extension for reply within fourth month                        |          |
| \$2,010      | \$1,005      | Extension for reply within fifth month                         |          |
| \$330        | \$165        | Notice of Appeal   |          |
| \$330        | \$165        | Filing a brief in support of an appeal                         |          |
| \$290        | \$145        | Request for oral hearing                                       |          |
| \$110        | \$55         | Petition to revive – unavoidable                               |          |
| \$110        | \$55         | Terminal Disclaimer  |          |
| \$1,330      | \$665        | Petition to revive – unintentional                             |          |
| \$130        | \$130        | Petitions to the Commissioner                                  |          |
| \$50         | \$50         | Petitions related to provisional applications                  |          |
| \$180        | \$180        | Submission of Information Disclosure Statement                 |          |
| \$770        | \$385        | Filing a submission after final rejection (37 CFR 1.129 (a))   |          |
| \$770        | \$385        | For each additional invention to be examined (37 CFR 1.129(b)) |          |
| \$100        | \$100        | Certificate of Correction                                      |          |
| \$300        | \$300        | Publication fee for early, voluntary, or normal publication    |          |
| \$770        | \$385        | Request for Continued Examination (RCE)                        |          |

Other fee (specify) \_\_\_\_\_

**SUBTOTAL (3)**

**\$-0-**

Reduced by Basic Filing Fee Paid

**SUBTOTAL FROM 1**

**\$385.00**

**SUBTOTAL FROM 2**

**\$ 27.00**

**SUBTOTAL FROM 3**

**\$ -0-**

**TOTAL AMOUNT OF PAYMENT**

**\$412.00**

### SUBMITTED BY

Complete (if applicable)

Printed Name: Milton D. Wyrick

Reg. No. 29,993

Signature: 

Date: November 20, 2003

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